

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

What is claimed is:

1. (currently amended) A method for providing driver-independent, printer-independent page manipulation options in a printing system, said method comprising:
 - creating a spool data file;
 - creating a Page-Independent Spool File (PISF) index file from said spool data file;
 - allowing user manipulation of said PISF index file, after creation of said index file, to effect document page format manipulation options; and
 - accessing said PISF index file to execute a print job.
2. (original) The method of claim 1 wherein said spool data file is a Microsoft Windows Job Description File.
3. (currently amended) The method of claim 1 wherein said ~~manipulation comprises changing a print job to a format selected from the group consisting of booklet, Nup, reverse order, duplex, tablet, and PrintClub~~ PISF index file comprises an independent record of each page in said spool data file.

4. (currently amended) The method of claim 1 wherein said ~~PISF index file~~
~~comprises print job commands, page commands and page data~~ user manipulation
is performed via a spooler user interface.
5. (currently amended) The method of claim 1 wherein said PISF index file
~~provides access to at least one Enhanced Metafile (EMF) file~~ is created by a
process that is independent of the process that created said spool data file.
6. (currently amended) The method of claim 1 wherein said PISF index file
~~provides access to at least one raw format file~~ is created by a modified print
processor.
7. (currently amended) The method of claim 1 wherein said ~~manipulation of said~~
PISF index file is stored independently of said spool data file ~~comprises changing~~
~~the order of document pages.~~
8. (currently amended) The method of claim 1 wherein ~~said manipulation of said~~
PISF index file is created by a print system component other than the component
that creates said spool data file ~~comprises changing the scale and placement of~~
~~document pages.~~

9. (original) The method of claim 1 wherein said manipulation of said PISF index file comprises changing collation options.
10. (currently amended) A method for providing document formatting options in a printing system, said method comprising:
 - creating a Page-Independent Spool File (PISF) index file;
 - manipulating said PISF index file to effect document formatting options by user input after creation of said PISF index file; and
 - accessing said manipulated PISF index file to execute a print job.
11. (previously amended) The method of claim 10 wherein said creating, said manipulating and said accessing are accomplished with a print processor.
12. (previously amended) The method of claim 10 wherein said creating, said manipulating and said accessing are accomplished through a spooler.
13. (previously amended) The method of claim 10 wherein said creating, said manipulating and said accessing are accomplished through a print assistant between a driver and a printer.

14. (currently amended) A method for adding document formatting capability to a printing system, said method comprising:

initiating a print job for a document;
creating a PISF index file;
modifying said PISF index file through user input, from said print processor after creation of said PISF index file; and
accessing said PISF index file, from said print processor, to obtain document formatting information for printing.

15. (original) The method of claim 14 wherein said PISF index file is produced by a print processor.

16. (original) The method of claim 14 wherein said PISF index file is produced by a spooler.

17. (original) The method of claim 14 wherein said PISF index file is produced by a print system component in a print system between a driver and a printer.

18. (currently amended) A printing system with driver-independent, printer-independent document formatting, said system comprising:

a print processor comprising:

an indexer for creating a page-independent index file;

a modifier for modifying said index file to effect document formatting options in response to user input wherein said modifying occurs after creation of said index file; and

a reader for accessing said manipulated index file to execute a modified print job.

19. (currently amended) A computer-readable medium comprising instructions for driver-independent, printer-independent document formatting, said instructions comprising the acts of:

creating a page-independent index file;

manipulating said index file to effect document formatting options after
creation of said index file; and
accessing said manipulated index file to execute a print job.

20. (currently amended) A computer data signal embodied in a computer-readable electronic transmission, said signal having the function of driver-independent, printer-independent document formatting, said signal comprising instructions for:
- creating a page-independent index file;
 - manipulating said index file to effect document formatting options after
creation of said index file; and
 - accessing said manipulated index file to execute a print job.